

# **Appendix C**

**Summary of  
Historical Dredged Material Placement Activities  
by the Rock Island District  
within the Upper Mississippi River  
and  
Illinois Waterway Floodplains**

**Table C-1.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 11 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	499.8	0.0%
Developed	8.3	562.5	1.5%
Floating-Leaved Aquatic Bed	0.0	2,675.1	0.0%
Grassland	2.6	9.6	26.8%
Mesic Bottomland Hardwood Forest	0.0	82.4	0.0%
Open Water	111.3	14,110.7	0.8%
Populus Community	0.0	113.0	0.0%
Salix Community	0.0	143.5	0.0%
Sand/Mud	24.3	72.9	33.4%
Scrub/Shrub	1.7	268.7	0.6%
Seasonally Flooded Emergent Perennial	0.1	152.6	0.1%
Semi-Permanently Flooded Emergent Annual	0.0	61.2	0.0%
Semi-Permanently Flooded Emergent Perennial	1.9	1,341.6	0.1%
Submersed Aquatic Bed	1.4	2,156.6	0.1%
Wet Floodplain Forest	136.1	6,136.3	2.2%
Wet Meadow	9.4	884.8	1.1%
<b>Total</b>	<b>297.2</b>	<b>29,271.3</b>	<b>1.0%</b>

**Table C-2.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 11 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	499.8	0.0%
Developed	0.0	562.5	0.0%
Floating-Leaved Aquatic Bed	0.0	2,675.1	0.0%
Grassland	0.4	9.6	4.5%
Mesic Bottomland Hardwood Forest	0.0	82.4	0.0%
Open Water	4.6	14,110.7	0.0%
Populus Community	0.0	113.0	0.0%
Salix Community	0.0	143.5	0.0%
Sand/Mud	5.5	72.9	7.5%
Scrub/Shrub	0.0	268.7	0.0%
Seasonally Flooded Emergent Perennial	0.0	152.6	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	61.2	0.0%
Semi-Permanently Flooded Emergent Perennial	0.3	1,341.6	0.0%
Submersed Aquatic Bed	0.1	2,156.6	0.0%
Wet Floodplain Forest	2.3	6,136.3	0.0%
Wet Meadow	2.4	884.8	0.3%
<b>Total</b>	<b>15.6</b>	<b>29,271.3</b>	<b>0.1%</b>

**Table C-3.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 12 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	195.7	0.0%
Developed	2.7	1,598.2	0.2%
Floating-Leaved Aquatic Bed	0.0	1,296.2	0.0%
Grassland	0.0	27.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	229.7	0.0%
Open Water	68.9	8,233.4	0.8%
Populus Community	0.0	8.6	0.0%
Salix Community	2.9	107.7	2.7%
Sand/Mud	3.8	14.7	26.1%
Scrub/Shrub	0.9	383.4	0.2%
Seasonally Flooded Emergent Perennial	0.0	219.5	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	7.5	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	872.6	0.0%
Submersed Aquatic Bed	3.8	1,434.2	0.3%
Wet Floodplain Forest	23.2	4,516.8	0.5%
Wet Meadow	2.2	1,283.4	0.2%
<b>Total</b>	<b>108.4</b>	<b>20,428.6</b>	<b>0.5%</b>

**Table C-4.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 12 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	195.7	0.0%
Developed	0.0	1,598.2	0.0%
Floating-Leaved Aquatic Bed	0.0	1,296.2	0.0%
Grassland	0.0	27.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	229.7	0.0%
Open Water	13.3	8,233.4	0.2%
Populus Community	0.0	8.6	0.0%
Salix Community	2.2	107.7	2.1%
Sand/Mud	0.4	14.7	2.9%
Scrub/Shrub	0.0	383.4	0.0%
Seasonally Flooded Emergent Perennial	0.0	219.5	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	7.5	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	872.6	0.0%
Submersed Aquatic Bed	2.4	1,434.2	0.2%
Wet Floodplain Forest	0.0	4,516.8	0.0%
Wet Meadow	0.7	1,283.4	0.1%
<b>Total</b>	<b>19.1</b>	<b>20,428.6</b>	<b>0.1%</b>

**Table C-5.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 13 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	4,352.7	0.0%
Developed	16.7	7,074.7	0.2%
Floating-Leaved Aquatic Bed	1.8	4,449.2	0.0%
Grassland	1.2	327.6	0.4%
Mesic Bottomland Hardwood Forest	0.0	1,756.5	0.0%
Open Water	257.3	15,237.8	1.7%
Populus Community	0.0	3.5	0.0%
Salix Community	1.2	301.8	0.4%
Sand/Mud	8.9	99.5	8.9%
Scrub/Shrub	4.8	1,008.5	0.5%
Seasonally Flooded Emergent Perennial	0.0	785.0	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	3.2	3,322.0	0.1%
Submersed Aquatic Bed	9.6	6,182.2	0.2%
Wet Floodplain Forest	66.3	11,158.0	0.6%
Wet Meadow	10.9	3,148.4	0.3%
<b>Total</b>	<b>381.9</b>	<b>59,207.4</b>	<b>0.6%</b>

**Table C-6.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 13 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	4,352.7	0.0%
Developed	0.0	7,074.7	0.0%
Floating-Leaved Aquatic Bed	0.0	4,449.2	0.0%
Grassland	0.0	327.6	0.0%
Mesic Bottomland Hardwood Forest	0.0	1,756.5	0.0%
Open Water	7.9	15,237.8	0.1%
Populus Community	0.0	3.5	0.0%
Salix Community	0.0	301.8	0.0%
Sand/Mud	0.0	99.5	0.0%
Scrub/Shrub	0.0	1,008.5	0.0%
Seasonally Flooded Emergent Perennial	0.0	785.0	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.3	3,322.0	0.0%
Submersed Aquatic Bed	0.0	6,182.2	0.0%
Wet Floodplain Forest	1.0	11,158.0	0.0%
Wet Meadow	0.1	3,148.4	0.0%
<b>Total</b>	<b>9.3</b>	<b>59,207.4</b>	<b>0.0%</b>

**Table C-7.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 14 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	1,950.4	0.0%
Developed	54.3	3,656.2	1.5%
Floating-Leaved Aquatic Bed	0.2	111.2	0.1%
Grassland	0.0	153.8	0.0%
Mesic Bottomland Hardwood Forest	4.8	643.0	0.7%
No Photo Coverage	0.0	491.7	0.0%
Open Water	122.5	8,769.2	1.4%
Populus Community	0.0	16.8	0.0%
Salix Community	4.7	166.9	2.8%
Sand/Mud	8.0	17.5	45.9%
Scrub/Shrub	2.4	718.6	0.3%
Seasonally Flooded Emergent Perennial	0.8	213.5	0.4%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.9	573.5	0.2%
Submersed Aquatic Bed	7.7	877.4	0.9%
Wet Floodplain Forest	75.6	6,663.5	1.1%
Wet Meadow	5.7	911.8	0.6%
<b>Total</b>	<b>287.5</b>	<b>25,935.0</b>	<b>1.1%</b>

**Table C-8.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 14 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	1,950.4	0.0%
Developed	0.0	3,656.2	0.0%
Floating-Leaved Aquatic Bed	0.0	111.2	0.0%
Grassland	0.0	153.8	0.0%
Mesic Bottomland Hardwood Forest	0.0	643.0	0.0%
No Photo Coverage	0.0	491.7	0.0%
Open Water	18.4	8,769.2	0.2%
Populus Community	0.0	16.8	0.0%
Salix Community	1.9	166.9	1.1%
Sand/Mud	4.8	17.5	27.3%
Scrub/Shrub	0.0	718.6	0.0%
Seasonally Flooded Emergent Perennial	0.0	213.5	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	573.5	0.0%
Submersed Aquatic Bed	1.1	877.4	0.1%
Wet Floodplain Forest	1.5	6,663.5	0.0%
Wet Meadow	0.0	911.8	0.0%
<b>Total</b>	<b>27.7</b>	<b>25,935.0</b>	<b>0.1%</b>

**Table C-9.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 15 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	412.6	0.0%
Developed	0.7	4,425.7	0.0%
Floating-Leaved Aquatic Bed	0.0	6.4	0.0%
Grassland	0.0	43.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	67.1	0.0%
No Photo Coverage	0.0	147.6	0.0%
Open Water	63.1	3,250.0	1.9%
Populus Community	0.0	0.0	0.0%
Salix Community	0.0	7.3	0.0%
Sand/Mud	0.4	1.3	32.7%
Scrub/Shrub	1.3	155.1	0.9%
Seasonally Flooded Emergent Perennial	0.0	4.8	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	23.9	0.0%
Submersed Aquatic Bed	4.5	275.3	1.7%
Wet Floodplain Forest	1.7	283.2	0.6%
Wet Meadow	0.3	118.5	0.2%
<b>Total</b>	<b>72.1</b>	<b>9,221.8</b>	<b>0.8%</b>

**Table C-10.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 15 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	412.6	0.0%
Developed	0.0	4,425.7	0.0%
Floating-Leaved Aquatic Bed	0.0	6.4	0.0%
Grassland	0.0	43.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	67.1	0.0%
No Photo Coverage	0.0	147.6	0.0%
Open Water	0.0	3,250.0	0.0%
Populus Community	0.0	0.0	0.0%
Salix Community	0.0	7.3	0.0%
Sand/Mud	0.0	1.3	0.0%
Scrub/Shrub	0.0	155.1	0.0%
Seasonally Flooded Emergent Perennial	0.0	4.8	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	23.9	0.0%
Submersed Aquatic Bed	0.0	275.3	0.0%
Wet Floodplain Forest	0.0	283.2	0.0%
Wet Meadow	0.0	118.5	0.0%
<b>Total</b>	<b>0.0</b>	<b>9,221.8</b>	<b>0.0%</b>

**Table C-11.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 16 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	2,246.6	0.0%
Developed	19.6	3,177.3	0.6%
Floating-Leaved Aquatic Bed	0.0	451.6	0.0%
Grassland	0.0	20.2	0.0%
Mesic Bottomland Hardwood Forest	2.2	274.3	0.8%
No Photo Coverage	0.0	1,629.2	0.0%
Open Water	38.6	9,603.7	0.4%
Populus Community	0.0	89.2	0.0%
Salix Community	0.6	399.6	0.2%
Sand/Mud	15.5	25.2	61.5%
Scrub/Shrub	8.7	732.2	1.2%
Seasonally Flooded Emergent Perennial	0.0	122.2	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.6	652.9	0.1%
Submersed Aquatic Bed	10.2	1,099.6	0.9%
Wet Floodplain Forest	30.4	5,505.1	0.6%
Wet Meadow	3.6	792.1	0.5%
<b>Total</b>	<b>130.0</b>	<b>26,821.0</b>	<b>0.5%</b>

**Table C-12.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 16 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	2,246.6	0.0%
Developed	1.5	3,177.3	0.0%
Floating-Leaved Aquatic Bed	0.0	451.6	0.0%
Grassland	0.0	20.2	0.0%
Mesic Bottomland Hardwood Forest	0.0	274.3	0.0%
No Photo Coverage	0.0	1,629.2	0.0%
Open Water	6.2	9,603.7	0.1%
Populus Community	0.0	89.2	0.0%
Salix Community	0.0	399.6	0.0%
Sand/Mud	6.6	25.2	26.1%
Scrub/Shrub	2.6	732.2	0.4%
Seasonally Flooded Emergent Perennial	0.0	122.2	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	652.9	0.0%
Submersed Aquatic Bed	1.1	1,099.6	0.1%
Wet Floodplain Forest	5.0	5,505.1	0.1%
Wet Meadow	0.0	792.1	0.0%
<b>Total</b>	<b>22.9</b>	<b>26,821.0</b>	<b>0.1%</b>

**Table C-13.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 17 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	9,237.4	0.0%
Developed	3.0	1,746.3	0.2%
Floating-Leaved Aquatic Bed	0.0	87.8	0.0%
Grassland	0.0	92.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	491.1	0.0%
No Photo Coverage	0.0	45,477.5	0.0%
Open Water	43.9	6,161.7	0.7%
Populus Community	0.0	0.0	0.0%
Salix Community	0.6	99.3	0.6%
Sand/Mud	0.8	11.5	7.1%
Scrub/Shrub	16.5	1,116.9	1.5%
Seasonally Flooded Emergent Perennial	2.4	56.1	4.2%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.3	212.0	0.1%
Submersed Aquatic Bed	1.0	478.5	0.2%
Wet Floodplain Forest	63.0	6,403.0	1.0%
Wet Meadow	1.9	691.1	0.3%
<b>Total</b>	<b>133.3</b>	<b>72,362.2</b>	<b>0.2%</b>

**Table C-14.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 17 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	9,237.4	0.0%
Developed	0.0	1,746.3	0.0%
Floating-Leaved Aquatic Bed	0.0	87.8	0.0%
Grassland	0.0	92.0	0.0%
Mesic Bottomland Hardwood Forest	3.3	491.1	0.7%
No Photo Coverage	0.0	45,477.5	0.0%
Open Water	0.0	6,161.7	0.0%
Populus Community	0.0	0.0	0.0%
Salix Community	0.0	99.3	0.0%
Sand/Mud	6.4	11.5	56.0%
Scrub/Shrub	1.5	1,116.9	0.1%
Seasonally Flooded Emergent Perennial	0.0	56.1	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	212.0	0.0%
Submersed Aquatic Bed	0.0	478.5	0.0%
Wet Floodplain Forest	0.0	6,403.0	0.0%
Wet Meadow	1.2	691.1	0.2%
<b>Total</b>	<b>12.5</b>	<b>72,362.2</b>	<b>0.0%</b>



**Table C-15.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 18 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	56,913.5	0.0%
Developed	11.8	3,220.3	0.4%
Floating-Leaved Aquatic Bed	1.1	739.0	0.1%
Grassland	0.0	174.4	0.0%
Mesic Bottomland Hardwood Forest	1.0	5,438.9	0.0%
No Photo Coverage	0.0	33,502.8	0.0%
Open Water	215.2	12,310.4	1.7%
Populus Community	0.0	67.0	0.0%
Salix Community	0.4	382.9	0.1%
Sand/Mud	18.3	192.8	9.5%
Scrub/Shrub	11.3	3,618.5	0.3%
Seasonally Flooded Emergent Perennial	0.2	200.7	0.1%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.6	839.9	0.1%
Submersed Aquatic Bed	4.0	889.5	0.4%
Wet Floodplain Forest	166.8	13,334.5	1.3%
Wet Meadow	18.6	2,625.0	0.7%
<b>Total</b>	<b>449.2</b>	<b>134,450.1</b>	<b>0.3%</b>

**Table C-16.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 18 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	2.0	56,913.5	0.0%
Developed	2.7	3,220.3	0.1%
Floating-Leaved Aquatic Bed	0.0	739.0	0.0%
Grassland	0.0	174.4	0.0%
Mesic Bottomland Hardwood Forest	0.0	5,438.9	0.0%
No Photo Coverage	0.0	33,502.8	0.0%
Open Water	18.5	12,310.4	0.2%
Populus Community	0.0	67.0	0.0%
Salix Community	0.0	382.9	0.0%
Sand/Mud	2.6	192.8	1.4%
Scrub/Shrub	6.5	3,618.5	0.2%
Seasonally Flooded Emergent Perennial	0.0	200.7	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	839.9	0.0%
Submersed Aquatic Bed	0.1	889.5	0.0%
Wet Floodplain Forest	13.4	13,334.5	0.1%
Wet Meadow	0.1	2,625.0	0.0%
<b>Total</b>	<b>45.8</b>	<b>134,450.1</b>	<b>0.0%</b>

**Table C-17.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 19 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.4	45,711.4	0.0%
Developed	27.7	7,031.5	0.4%
Floating-Leaved Aquatic Bed	0.0	2,222.9	0.0%
Grassland	0.0	150.0	0.0%
Mesic Bottomland Hardwood Forest	1.3	1,829.8	0.1%
No Photo Coverage	0.0	14,083.1	0.0%
Open Water	209.7	24,582.8	0.9%
Populus Community	0.0	249.3	0.0%
Salix Community	18.7	227.2	8.2%
Sand/Mud	28.0	100.7	27.8%
Scrub/Shrub	0.9	3,295.3	0.0%
Seasonally Flooded Emergent Perennial	0.0	18.6	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.3	1,593.0	0.0%
Submersed Aquatic Bed	0.0	1,951.0	0.0%
Wet Floodplain Forest	136.0	13,329.3	1.0%
Wet Meadow	10.9	2,550.5	0.4%
<b>Total</b>	<b>433.9</b>	<b>118,926.4</b>	<b>0.4%</b>

**Table C-18.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 19 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	45,711.4	0.0%
Developed	0.0	7,031.5	0.0%
Floating-Leaved Aquatic Bed	0.0	2,222.9	0.0%
Grassland	0.0	150.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	1,829.8	0.0%
No Photo Coverage	0.0	14,083.1	0.0%
Open Water	4.2	24,582.8	0.0%
Populus Community	0.0	249.3	0.0%
Salix Community	1.5	227.2	0.7%
Sand/Mud	1.7	100.7	1.7%
Scrub/Shrub	0.0	3,295.3	0.0%
Seasonally Flooded Emergent Perennial	0.0	18.6	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	1,593.0	0.0%
Submersed Aquatic Bed	0.0	1,951.0	0.0%
Wet Floodplain Forest	3.7	13,329.3	0.0%
Wet Meadow	0.0	2,550.5	0.0%
<b>Total</b>	<b>11.2</b>	<b>118,926.4</b>	<b>0.0%</b>

**Table C-19.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 20 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	4.7	43,819.1	0.0%
Developed	0.0	952.5	0.0%
Floating-Leaved Aquatic Bed	0.0	23.9	0.0%
Grassland	0.0	0.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	58.7	0.0%
No Photo Coverage	0.0	11,031.4	0.0%
Open Water	247.6	8,118.6	3.1%
Populus Community	7.3	143.9	5.1%
Salix Community	0.0	39.4	0.0%
Sand/Mud	13.4	246.1	5.4%
Scrub/Shrub	13.4	2,901.8	0.5%
Seasonally Flooded Emergent Perennial	0.0	6.7	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	58.9	0.0%
Submersed Aquatic Bed	0.0	82.0	0.0%
Wet Floodplain Forest	75.5	6,645.8	1.1%
Wet Meadow	5.4	1,152.3	0.5%
<b>Total</b>	<b>367.4</b>	<b>75,281.1</b>	<b>0.5%</b>

**Table C-20.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 20 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	43,819.1	0.0%
Developed	0.0	952.5	0.0%
Floating-Leaved Aquatic Bed	0.0	23.9	0.0%
Grassland	0.0	0.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	58.7	0.0%
No Photo Coverage	0.0	11,031.4	0.0%
Open Water	31.5	8,118.6	0.4%
Populus Community	0.0	143.9	0.0%
Salix Community	0.0	39.4	0.0%
Sand/Mud	0.0	246.1	0.0%
Scrub/Shrub	0.0	2,901.8	0.0%
Seasonally Flooded Emergent Perennial	0.0	6.7	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	58.9	0.0%
Submersed Aquatic Bed	0.0	82.0	0.0%
Wet Floodplain Forest	0.3	6,645.8	0.0%
Wet Meadow	0.0	1,152.3	0.0%
<b>Total</b>	<b>31.8</b>	<b>75,281.1</b>	<b>0.0%</b>

**Table C-21.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 21 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	3.9	43,100.1	0.0%
Developed	7.8	1,594.7	0.5%
Floating-Leaved Aquatic Bed	0.0	12.8	0.0%
Grassland	0.0	9.2	0.0%
Mesic Bottomland Hardwood Forest	0.0	226.5	0.0%
No Photo Coverage	0.0	0.0	0.0%
Open Water	198.0	8,149.1	2.4%
Populus Community	7.0	228.1	3.1%
Salix Community	9.2	149.0	6.2%
Sand/Mud	23.7	118.2	20.1%
Scrub/Shrub	26.9	2,822.9	1.0%
Seasonally Flooded Emergent Perennial	0.0	42.8	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	2.6	171.2	1.5%
Submersed Aquatic Bed	0.0	44.0	0.0%
Wet Floodplain Forest	111.4	9,274.8	1.2%
Wet Meadow	6.2	673.3	0.9%
<b>Total</b>	<b>396.8</b>	<b>66,616.7</b>	<b>0.6%</b>

**Table C-22.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 21 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	12.3	43,100.1	0.0%
Developed	0.0	1,594.7	0.0%
Floating-Leaved Aquatic Bed	0.0	12.8	0.0%
Grassland	0.0	9.2	0.0%
Mesic Bottomland Hardwood Forest	0.0	226.5	0.0%
No Photo Coverage	0.0	0.0	0.0%
Open Water	8.7	8,149.1	0.1%
Populus Community	3.9	228.1	1.7%
Salix Community	1.3	149.0	0.9%
Sand/Mud	16.6	118.2	14.0%
Scrub/Shrub	7.5	2,822.9	0.3%
Seasonally Flooded Emergent Perennial	0.0	42.8	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	171.2	0.0%
Submersed Aquatic Bed	0.0	44.0	0.0%
Wet Floodplain Forest	6.7	9,274.8	0.1%
Wet Meadow	0.0	673.3	0.0%
<b>Total</b>	<b>57.0</b>	<b>66,616.7</b>	<b>0.1%</b>

**Table C-23.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for Pool 22 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	4.1	42,384.8	0.0%
Developed	12.9	966.6	1.3%
Floating-Leaved Aquatic Bed	0.0	8.2	0.0%
Grassland	0.0	31.6	0.0%
Mesic Bottomland Hardwood Forest	0.0	31.3	0.0%
No Photo Coverage	0.0	18,083.6	0.0%
Open Water	300.8	8,515.3	3.5%
Populus Community	5.0	340.5	1.5%
Salix Community	1.7	83.9	2.1%
Sand/Mud	11.7	65.7	17.8%
Scrub/Shrub	22.7	3,062.8	0.7%
Seasonally Flooded Emergent Perennial	0.0	12.2	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.7	97.7	0.8%
Submersed Aquatic Bed	3.2	79.5	4.1%
Wet Floodplain Forest	170.2	9,653.6	1.8%
Wet Meadow	10.2	886.3	1.2%
<b>Total</b>	<b>543.4</b>	<b>84,303.6</b>	<b>0.6%</b>

**Table C-24.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for Pool 22 of the UMR.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.4	42,384.8	0.0%
Developed	6.8	966.6	0.7%
Floating-Leaved Aquatic Bed	0.0	8.2	0.0%
Grassland	0.0	31.6	0.0%
Mesic Bottomland Hardwood Forest	0.0	31.3	0.0%
No Photo Coverage	0.0	18,083.6	0.0%
Open Water	38.4	8,515.3	0.5%
Populus Community	0.0	340.5	0.0%
Salix Community	0.0	83.9	0.0%
Sand/Mud	1.9	65.7	2.9%
Scrub/Shrub	1.2	3,062.8	0.0%
Seasonally Flooded Emergent Perennial	0.0	12.2	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	97.7	0.0%
Submersed Aquatic Bed	0.0	79.5	0.0%
Wet Floodplain Forest	2.6	9,653.6	0.0%
Wet Meadow	2.4	886.3	0.3%
<b>Total</b>	<b>53.6</b>	<b>84,303.6</b>	<b>0.1%</b>

**Table C-25.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1939 and 1989 for portions of UMR Pool 24 within the Rock Island District.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	23,622.8	0.0%
Developed	0.2	284.3	0.1%
Floating-Leaved Aquatic Bed	0.0	39.0	0.0%
Grassland	0.0	31.8	0.0%
Mesic Bottomland Hardwood Forest	0.0	12.3	0.0%
No Photo Coverage	0.0	38,326.9	0.0%
Open Water	19.8	1,062.0	1.9%
Populus Community	0.0	49.3	0.0%
Salix Community	0.0	52.1	0.0%
Sand/Mud	3.3	18.6	17.7%
Scrub/Shrub	0.7	1,595.6	0.0%
Seasonally Flooded Emergent Perennial	0.0	38.3	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	298.9	0.0%
Submersed Aquatic Bed	0.0	249.4	0.0%
Wet Floodplain Forest	5.3	4,513.3	0.1%
Wet Meadow	0.0	1,062.8	0.0%
<b>Total</b>	<b>29.3</b>	<b>71,257.4</b>	<b>0.0%</b>

**Table C-26.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1998 for portions of UMR Pool 24 within the Rock Island District.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	10.6	23,622.8	0.0%
Developed	0.3	284.3	0.1%
Floating-Leaved Aquatic Bed	0.0	39.0	0.0%
Grassland	0.0	31.8	0.0%
Mesic Bottomland Hardwood Forest	0.0	12.3	0.0%
No Photo Coverage	0.0	38,326.9	0.0%
Open Water	1.0	1,062.0	0.1%
Populus Community	0.0	49.3	0.0%
Salix Community	0.0	52.1	0.0%
Sand/Mud	3.3	18.6	17.7%
Scrub/Shrub	2.8	1,595.6	0.2%
Seasonally Flooded Emergent Perennial	0.0	38.3	0.0%
Semi-Permanently Flooded Emergent Annual	0.0	0.0	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	298.9	0.0%
Submersed Aquatic Bed	0.0	249.4	0.0%
Wet Floodplain Forest	3.1	4,513.3	0.1%
Wet Meadow	0.0	1,062.8	0.0%
<b>Total</b>	<b>21.1</b>	<b>71,257.4</b>	<b>0.0%</b>

**Table C-27.** Observed habitat types, based on 1989 Satellite Data, for historical dredged material placement sites recorded between 1988 and 1989 for Dresden Pool of the IWW. Data presented represent that for which the Rock Island District currently has accurate placements records. Historical placement includes more placement area than that indicated.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.000	107.640	0.0%
Grasses/Forbs	8.574	1193.172	0.7%
Hydrophytic Vegetation	0.000	26.001	0.0%
NoData/Clouds	0.000	0.222	0.0%
Open Water	0.004	2370.199	0.0%
Sand	0.000	36.251	0.0%
Urban/Developed	0.000	627.350	0.0%
Woody Terrestrial	0.768	1724.444	0.0%
<b>Total</b>	<b>9.346</b>	<b>6,085.3</b>	<b>0.2%</b>

**Table C-28.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1996 for Dresden Pool of the IWW. Data presented represent that for which the Rock Island District currently has accurate placement records.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	107.6	0.0%
Grasses/Forbs	4.1	1,193.2	0.3%
Hydrophytic Vegetation	0.0	26.0	0.0%
NoData/Clouds	0.0	0.2	0.0%
Open Water	0.8	2,370.2	0.0%
Sand	0.0	36.3	0.0%
Urban/Developed	0.4	627.3	0.1%
Woody Terrestrial	10.1	1,724.4	0.6%
<b>Total</b>	<b>15.3</b>	<b>6,085.3</b>	<b>0.3%</b>

**Table C-29.** Observed habitat types, based on 1989 satellite data, for historical dredged material placement sites recorded between 1987 and 1989 for Marseilles Pool of the IWW. Data presented represent that for which the Rock Island District currently has accurate placements records. Historical placement includes more placement area than that indicated.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	11,379.8	0.0%
Grasses/Forbs	4.9	2,101.1	0.2%
Hydrophytic Vegetation	0.0	130.8	0.0%
NoData/Clouds	0.0	3.8	0.0%
Open Water	2.5	4,622.7	0.1%
Sand	0.0	7.3	0.0%
Urban/Developed	0.0	2,544.6	0.0%
Woody Terrestrial	6.4	4,733.3	0.1%
<b>Total</b>	<b>13.8</b>	<b>25,523.3</b>	<b>0.1%</b>

**Table C-30.** Floodplain habitat types, based on 1989 satellite data, utilized for dredged material placement between 1990 and 1996 for Marseilles Pool of the IWW. Data presented represent that for which the Rock Island District currently has accurate placement records.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	11,379.8	0.0%
Grasses/Forbs	3.8	2,101.1	0.2%
Hydrophytic Vegetation	0.0	130.8	0.0%
NoData/Clouds	0.0	3.8	0.0%
Open Water	3.7	4,622.7	0.1%
Sand	0.0	7.3	0.0%
Urban/Developed	0.1	2,544.6	0.0%
Woody Terrestrial	8.1	4,733.3	0.2%
<b>Total</b>	<b>15.6</b>	<b>25,523.3</b>	<b>0.1%</b>



**Table C-31.** Observed habitat types, based on 1989 satellite data, for historical dredged material placement sites recorded between 1986 and 1989 for Starved Rock Pool of the IWW. Data presented represent that for which the Rock Island District currently has accurate placements records. Historical placement includes more placement area than that indicated.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	3,346.5	0.0%
Grasses/Forbs	0.0	1,043.3	0.0%
Hydrophytic Vegetation	0.0	419.0	0.0%
Open Water	0.0	3,108.3	0.0%
Sand	0.2	2.2	9.8%
Urban/Developed	0.0	3,645.1	0.0%
Woody Terrestrial	1.7	2,391.9	0.1%
<b>Total</b>	<b>1.9</b>	<b>13,956.2</b>	<b>0.0%</b>

**Table C-32.** Floodplain habitat types, based on 1989 satellite data, utilized for dredged material placement between 1990 and 1996 for Starved Rock Pool of the IWW. Data presented represent that for which the Rock Island District currently has accurate placement records.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	2.8	3,346.5	0.1%
Grasses/Forbs	5.3	1,043.3	0.5%
Hydrophytic Vegetation	0.2	419.0	0.1%
Open Water	1.6	3,108.3	0.1%
Sand	0.3	2.2	14.0%
Urban/Developed	1.1	3,645.1	0.0%
Woody Terrestrial	20.0	2,391.9	0.8%
<b>Total</b>	<b>31.3</b>	<b>13,956.2</b>	<b>0.2%</b>

**Table C-33.** Observed habitat types, based on 1989 land cover, for historical dredged material placement sites placed between 1949 and 1989 for Peoria Pool of the IWW.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	3.4	21,039.6	0.0%
Developed	33.9	6,491.9	0.5%
Grassland	0.0	171.0	0.0%
Mesic Bottomland Hardwood Forest	10.2	3,420.8	0.3%
Open Water	143.0	34,993.8	0.4%
Populus Community	14.0	27.4	51.1%
Salix Community	2.8	1,715.8	0.2%
Sand/Mud	0.0	71.8	0.0%
Scrub/Shrub	7.1	3,912.4	0.2%
Semi-Permanently Flooded Emergent Perennial	0.0	95.4	0.0%
Submersed Aquatic Bed	0.0	42.0	0.0%
Wet Floodplain Forest	55.7	18,270.0	0.3%
Wet Meadow	6.7	5,998.6	0.1%
<b>Total</b>	<b>276.8</b>	<b>96,250.5</b>	<b>0.3%</b>

**Table C-34.** Floodplain habitat types, based on 1989 land cover, utilized for dredged material placement between 1990 and 1996 for Peoria Pool of the IWW.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	6.2	21,039.6	0.0%
Developed	0.7	6,491.9	0.0%
Grassland	0.0	171.0	0.0%
Mesic Bottomland Hardwood Forest	0.0	3,420.8	0.0%
Open Water	29.8	34,993.8	0.1%
Populus Community	0.0	27.4	0.0%
Salix Community	0.0	1,715.8	0.0%
Sand/Mud	0.0	71.8	0.0%
Scrub/Shrub	5.5	3,912.4	0.1%
Semi-Permanently Flooded Emergent Perennial	0.0	95.4	0.0%
Submersed Aquatic Bed	0.0	42.0	0.0%
Wet Floodplain Forest	31.7	18,270.0	0.2%
Wet Meadow	5.8	5,998.6	0.1%
<b>Total</b>	<b>79.7</b>	<b>96,250.5</b>	<b>0.1%</b>

**Table C-35.** Observed habitat types, based on 1991 land cover, for historical dredged material placement sites placed between 1949 and 1991 for La Grange Pool of the IWW.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	13.5	65,527.3	0.0%
Developed	44.2	3,429.4	1.3%
Floating-Leaved Aquatic Bed	0.0	513.5	0.0%
Grassland	5.0	6,099.8	0.1%
Mesic Bottomland Hardwood Forest	20.1	2,731.3	0.7%
No Photo Coverage	0.0	54,312.1	0.0%
Open Water	171.4	24,489.6	0.7%
Populus Community	24.8	367.0	6.8%
Salix Community	15.4	1,525.8	1.0%
Sand/Mud	57.2	2,134.5	2.7%
Scrub/Shrub	68.2	4,111.9	1.7%
Seasonally Flooded Emergent Perennial	0.0	45.6	0.0%
Semi-Permanently Flooded Emergent Perennial	3.8	656.1	0.6%
Submersed Aquatic Bed	0.7	1,388.7	0.1%
Wet Floodplain Forest	694.1	26,091.4	2.7%
Wet Meadow	85.7	5,373.9	1.6%
<b>Total</b>	<b>1,204.1</b>	<b>198,797.9</b>	<b>0.6%</b>

**Table C-36.** Floodplain habitat types, based on 1991 land cover, utilized for dredged material placement between 1992 and 1996 for La Grange Pool of the IWW.

<b>HNA Land Use/Land Cover Types</b>	<b>HNA Land Cover in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (HNA) (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	5.2	65,527.3	0.0%
Developed	1.2	3,429.4	0.0%
Floating-Leaved Aquatic Bed	0.0	513.5	0.0%
Grassland	0.0	6,099.8	0.0%
Mesic Bottomland Hardwood Forest	1.7	2,731.3	0.1%
No Photo Coverage	0.0	54,312.1	0.0%
Open Water	50.6	24,489.6	0.2%
Populus Community	6.3	367.0	1.7%
Salix Community	2.8	1,525.8	0.2%
Sand/Mud	25.9	2,134.5	1.2%
Scrub/Shrub	6.4	4,111.9	0.2%
Seasonally Flooded Emergent Perennial	0.0	45.6	0.0%
Semi-Permanently Flooded Emergent Perennial	0.0	656.1	0.0%
Submersed Aquatic Bed	0.0	1,388.7	0.0%
Wet Floodplain Forest	27.6	26,091.4	0.1%
Wet Meadow	29.4	5,373.9	0.5%
<b>Total</b>	<b>157.1</b>	<b>198,797.9</b>	<b>0.1%</b>

**Table C-37.** Observed habitat types, based on 1989 satellite data, for historical dredged material placement sites recorded between 1949 and 1989 for portions of La Grange Pool, of the IWW, not included within the HNA GIS Query Tool (immediately below Peoria Lock and Dam). Data presented represent that for which the Rock Island District currently has accurate placements records. Historical placement may include more placement area than that indicated.

<b>1989 Satellite Land Use/Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	97.5	0.0%
Grasses/Forbs	0.3	79.7	0.4%
Hydrophytic Vegetation	3.8	263.1	1.4%
Open Water	18.2	807.6	2.3%
Urban/Developed	0.0	52.6	0.0%
Woody Terrestrial	96.3	1,035.2	9.3%
<b>Total</b>	<b>118.6</b>	<b>2,335.7</b>	<b>5.1%</b>

**Table C-38.** Floodplain habitat types, based on 1989 Satellite Data, utilized for dredged material placement between 1990 and 1996 for portions of La Grange Pool, of the IWW, not included within the HNA GIS Query Tool (immediately below Peoria Lock and Dam). Data presented represent that for which the Rock Island District currently has accurate placement records.

<b>1989 Satellite Land Use/ Land Cover Types</b>	<b>Land Cover Type in Dredged Material Placement Areas (acres)</b>	<b>Total Habitat Type in Pool (acres)</b>	<b>Percent of Total Cover</b>
Agriculture	0.0	97.5	0.0%
Grasses/Forbs	0.0	79.7	0.0%
Hydrophytic Vegetation	0.0	263.1	0.0%
Open Water	23.2	807.6	2.9%
Urban/Developed	0.0	52.6	0.0%
Woody Terrestrial	8.9	1,035.2	0.9%
<b>Total</b>	<b>32.0</b>	<b>2,335.7</b>	<b>1.4%</b>